

# STORMTREAT™ SYSTEMS, Inc. Specification Sheet of StormTreat System Tank

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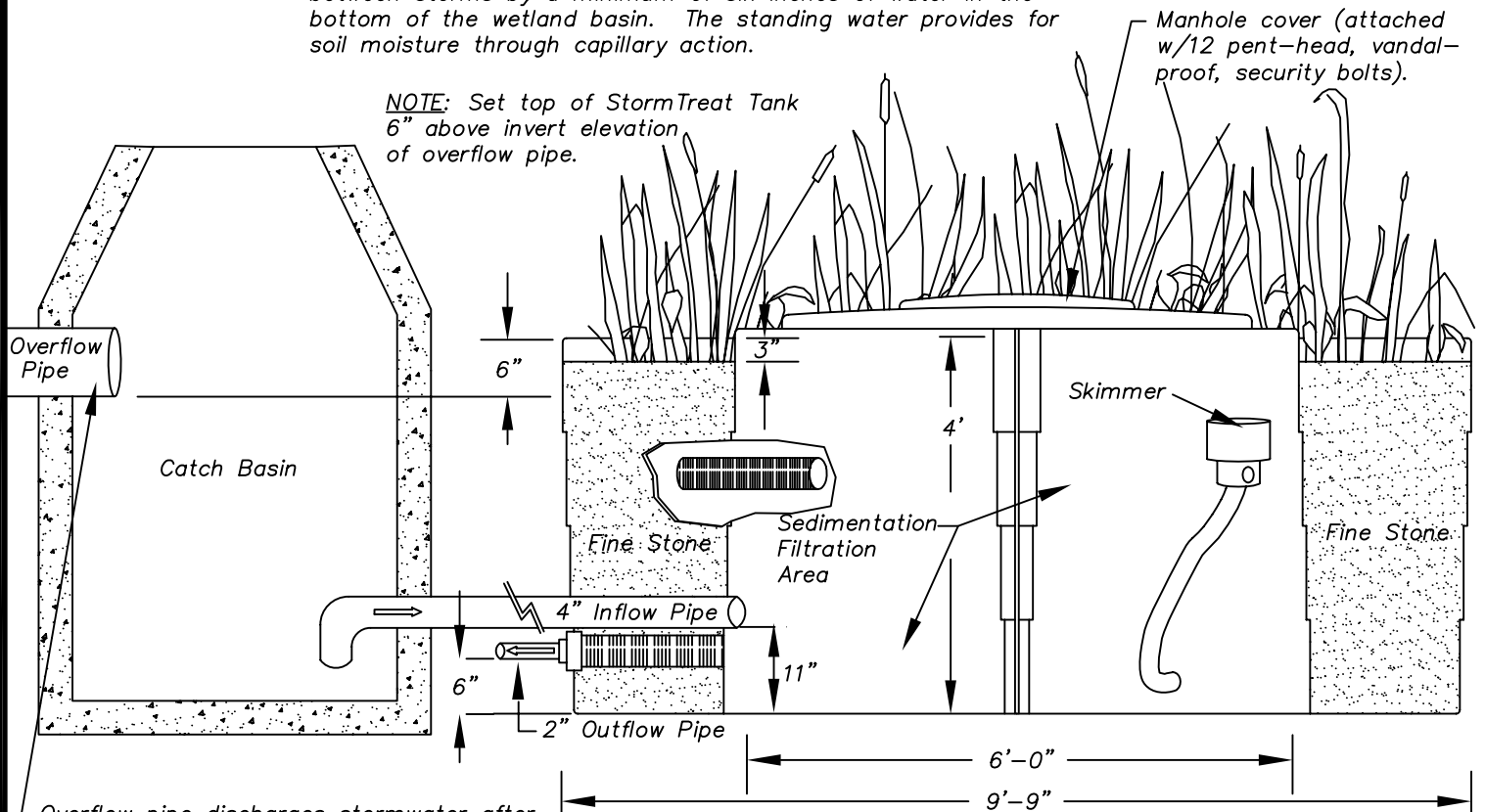
TOLL FREE:

(877) 787-6426

US Patent No. 5,437,786

Wetland Plants include soft-stem bullrush (*Scirpus validus*) and burreed (*Sparganium sp.*). The wetland plants are maintained between storms by a minimum of six inches of water in the bottom of the wetland basin. The standing water provides for soil moisture through capillary action.

**NOTE:** Set top of StormTreat Tank 6" above invert elevation of overflow pipe.



Overflow pipe discharges stormwater after the "first flush". The initial 0.5" of runoff is captured by the STS Tanks for treatment.

4" Slotted (0.01) well screen pipes

Wetland substrata: 24' in length, comprised of fine stone (3mm-5mm).

Solid bulkhead directs water through the wetland system by establishing a no-flow boundary and hydraulic gradient.

Inflow & outflow pipes (on center).

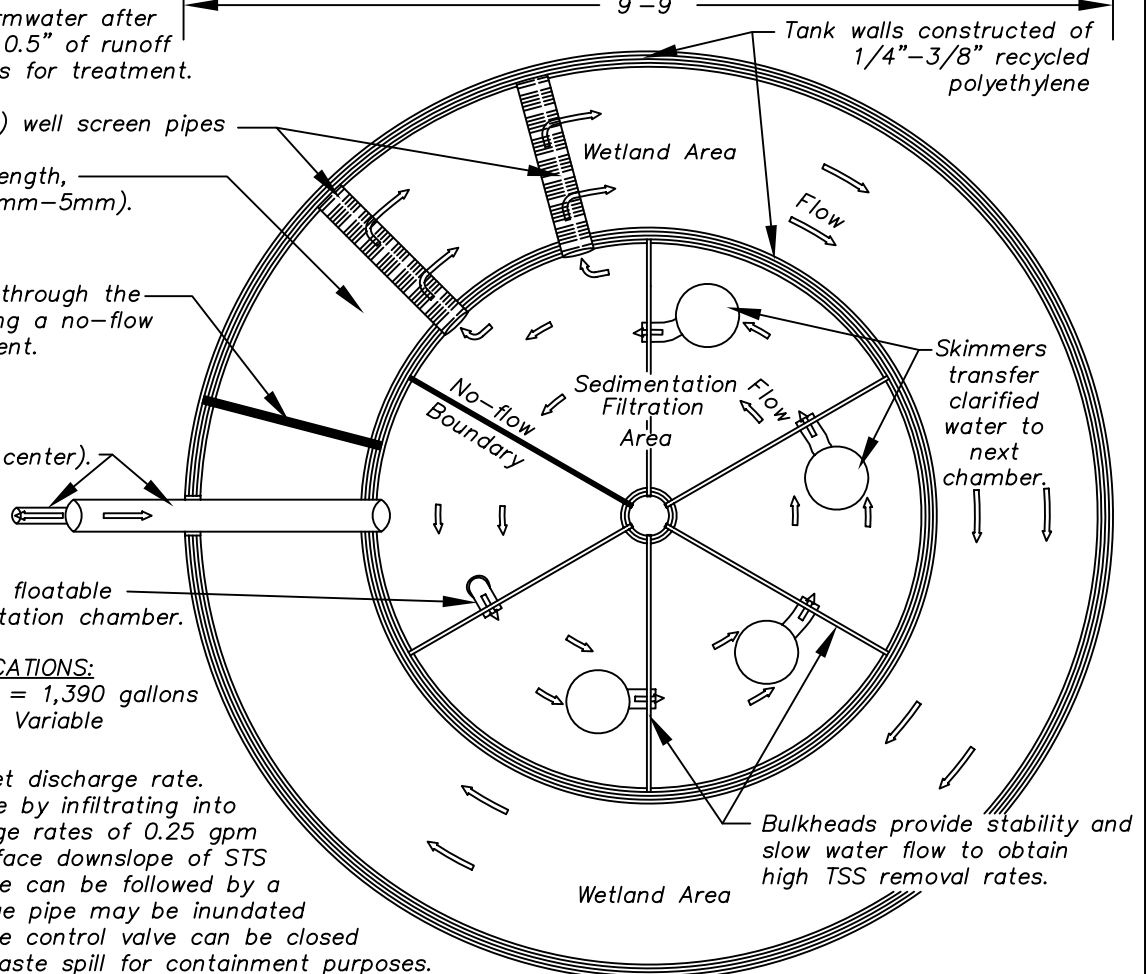
Oil & grease trap: traps floatable hydrocarbons in sedimentation chamber.

**OTHER SPECIFICATIONS:**

Holding volume = 1,390 gallons

Holding time = Variable

Outlet control valve used to set discharge rate. Discharge can occur subsurface by infiltrating into moist soils due to low discharge rates of 0.25 gpm or can occur at the lands surface downslope of STS Tanks. The outlet control valve can be followed by a check valve where the discharge pipe may be inundated pipe during coastal floods. The control valve can be closed in the event of a hazardous waste spill for containment purposes.



Tank walls constructed of 1/4"-3/8" recycled polyethylene

Skimmers transfer clarified water to next chamber.

Bulkheads provide stability and slow water flow to obtain high TSS removal rates.